Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/08/2018 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125256	0	1.24	125326	1.18
Blue	F	SSC	125000	125329	0	1.31	126059	1.38
Blue	E	FITC	16596	16235	-3	2.71	351	20.30
Blue	D	PE	29392	28967	-2	1.83	630	15.10
Blue	B	PerCP-Cy5-5	38531	38738	0	3.96	1185	21.36
Blue	A	PE-Cy7	26351	26581	0	7.13	646	42.17
Red	C	APC	43035	42139	-3	2.60	1589	13.14
Red	A	APC-Cy7	25611	25566	-1	2.78	881	12.63
Violet	B	V450	8803	8393	-5	3.64	462	13.48
Violet	A	V500	32560	32116	-2	3.35	750	10.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20811	2.99	600	3	N/A	N/A	Pass
Blue	F	SSC	56863	0.98	567	12	N/A	N/A	Pass
Blue	E	FITC	61	67.07	552	2	0.0191	151	Pass
Blue	D	PE	132	52.14	552	3	0.1656	322	Pass
Blue	B	PerCP-Cy5-5	226	50.70	655	4	0.0082	39	Pass
Blue	A	PE-Cy7	131	98.84	711	6	0.0102	15	Pass
Red	C	APC	371	27.68	600	3	0.0204	117	Pass
Red	A	APC-Cy7	216	27.40	574	3	0.0049	757	Pass
Violet	B	V450	73	60.65	474	-1	0.0498	1983	Pass
Violet	A	V500	112	31.98	485	1	0.0206	413	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-34.01	-33.74	1.11
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.46
Red	17.56	13.60 - 20.40	N/A	N/A	31.08	31.22	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9654

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments